

Revisions and Errata List
AISC Design Guide 1, 3rd edition, 1st Printing (Printed Edition)
May 23, 2025

The following list represents corrections to the first printing of AISC Design Guide 1, 3rd edition, *Base Connection Design for Steel Structures*.

Page(s)	Item
28	The safety factor listed in Table 4-1 should be: $\Omega = 2.00$
29	After equation 4-25, define N_{pm} as nominal pullout strength, lbf
36	The “E” to the left of Figure 4-6 should be removed
53	In the first line of Section 4.5.1, delete “of”
56	In the fourth bullet point, 2 in. should be revised to ½ in.
66	Equation 4-10 should be revised to:

$$\begin{aligned}
 m &= \frac{N - 0.95d}{2} \\
 &= \frac{22.0 \text{ in.} - 0.95(12.7 \text{ in.})}{2} \\
 &= 4.97 \text{ in.}
 \end{aligned}$$

77 Figure 4-24 should be revised to:

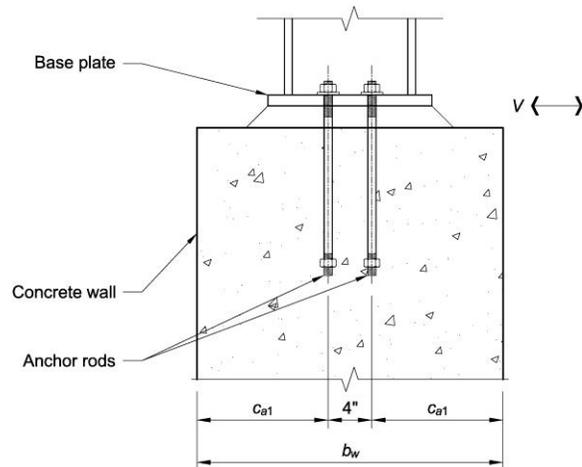


Fig. 4-24. Base connection section for configuration used in Example 4.7-4.

80 In the last sentence on the page, replace “ V_u ” with “distance”

Figure 4-28 should be revised to:

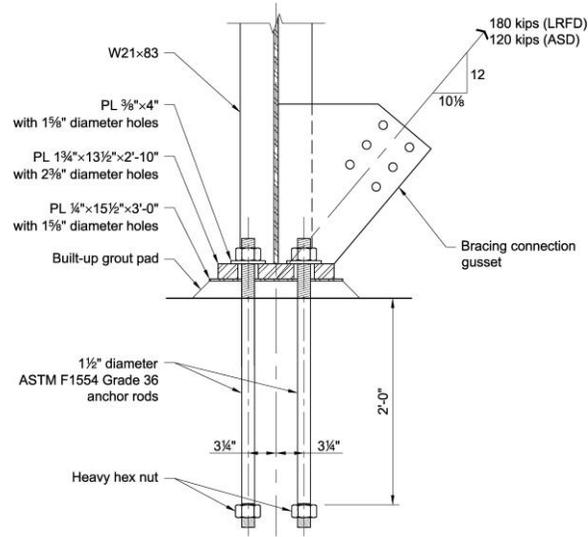


Fig. 4-28. Base connection as detailed in Example 4.7-7.

Figure 4-30 should be revised to:

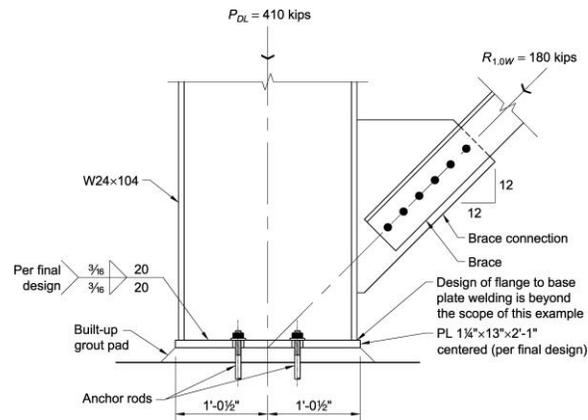


Fig. 4-30. Base connection elevation view detailed in Example 4.7-8.

In the second ASD box, “ $F_{p(max)}$ ” should be revised to “ $f_{p(max)}$ ”

Revise ACI 318, Eq. 25.4.2.4a to:

$$l_d = \left[\frac{3}{40} \frac{f_y}{\lambda \sqrt{f'_c}} \frac{\Psi_t \Psi_e \Psi_s \Psi_g}{\left(\frac{c_b + K_{tr}}{d_b} \right)} \right] d_b$$

The calculation for ϕM_{HE} should be revised to:

$$\begin{aligned} \phi M_{HE} &= 0.75(958 \text{ kip-ft}) \\ &= 719 \text{ kip-ft} > 700 \text{ kip-ft} \quad \mathbf{o.k.} \end{aligned}$$

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In the left column, under the first bullet point, replace “Figure 4-18” with “Figure 4-7”

183

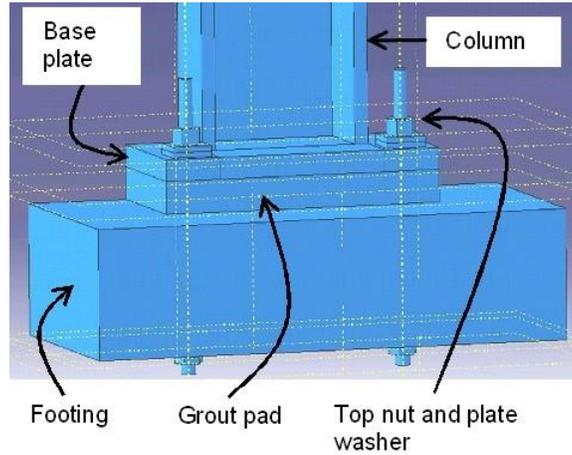
In the second LRFD and ASD boxes, replace the equation references for “(B-10)” with “(B-8)”

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In the right column, on the fifth line of the *Column* notes, switch the order of t_f and t_w .

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Figure D-2(a) should be revised to:



(a) Overview